

ABSTRACT

This present invention discloses a method for determining existence of a disk in an optical disk drive. Instead of using an optical pick-up head with a single laser wavelength, an optical pick-up head equipped with two different laser wavelengths is utilized to complete the determination of existence of a disk in an optical disk drive. Among the determining procedures, the formation of an S-curve containing the focus error signals is one basis for deciding the existence of a disk in the tray of the optical disk drive.